**Jacob Burley**

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**Objective**

Seeking an internship opportunity in Software Engineering to help design future technologies and bring critical thinking and a goal-oriented attitude to your team

**Education**

**University of Michigan – Ann Arbor** **April 2020**

Bachelor of Science in Engineering in Computer Science GPA: 3.376 /4.0

* Relevant Courses: Programing and Data Structures , Discrete Mathematics, Linear Algebra, Statistics & Data Analysis

**Macomb Community College**

Early College of Macomb Program (2015-2017) GPA: 4.0/4.0

**Work Experience**

**Drake Enterprises**

IT Intern June 2018 - Current

* Created reports using Power BI, to measure performance metrics for the Maintenance department, including customer satisfaction, and downtime for unplanned maintenance.
* Gathered data from Azure to make inferences about employee performance in a factory setting

**Soulliere Landscaping**

Laborer June 2017 – August 2017

* Was able to work independently and effectively for long periods of time, with previously given directives.

**Skills**

* **Languages**: Python, C++, C#, MATLAB, CSS, HTML, JavaScript, T-SQL
* **Software**: Microsoft Office, Command Line Utilities, Power BI, SQL Server
* **Tools**: Visual Studio. Visual Studio Code, PyCharm, Git, Command Line Utilities

**Project Experience**

**A Simple RPG** June 2018 - July 2018

* Created a short Final Fantasy like RPG using Python that implemented animations, cameras, enemies, menu systems, and a scene manager.
* Utilized object-oriented features such as inheritance and deep copies that allowed me to write reusable classes, specifically for the Scene manager and Menu systems

**University of Michigan, College of Engineering, Ann Arbor, MI**

Underwater Vehicle Design Sept 2017 – Dec 2017

* Collaboratively designed and implemented specifications for a working remotely operated vehicle that was able to report video information back to its users.
* Wrote technical communication documents to inform our professors of progress towards the deployment of our ROV.

**Activities**

* Varsity Wrestling- Served as team captain for 3 years during high school. I was able to effectively lead practices and teach younger athletes necessary skills
* Mu Alpha Theta- Club that involved math competitions and tutoring, specifically for mathematics (2016-2017)
* M-Lead: Volunteering activities during first week of college. We went through training sessions on how to create an inclusive environment and helped with move-in for freshman students at the University of Michigan.